# UTILITY PATENT APPLICATION TRANSMITTAL

*(Only for new nonprovisional applications under 37 CFR 1.53(b))*

| | |
|---|---|
| *Attorney Docket No.* | **500.43498X00** |
| *First Inventor* | **IWAJI, YOSHITAKA** |
| *Title* | **MOTOR DRIVE SYSTEM FOR AC MOTORS** |
| *Express Mail Label No.* | |

## APPLICATION ELEMENTS
***SEE MPEP chapter 600 concerning utility patent application contents.***

**ADDRESS TO:**  Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria VA 22313-1450

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
   *(Submit an original and a duplicate for fee processing)*

2. ☐ Applicant claims small entity status.
   See 37 CFR 1.27.

3. ☒ Specification     [*Total Pages:* **33** ]
   *(preferred arrangement set forth below)*

   -Descriptive title of the invention
   -Cross Reference to Related Applications
   -Statement Regarding Fed sponsored R & D
   -Reference to sequence listing, a table,
    or a computer program listing appendix
   -Background of the Invention
   -Brief Summary of the Invention
   -Brief Description of the Drawings (*if filed*)
   -Detailed Description
   -Claim(s)
   -Abstract of the Disclosure

4. ☒ Drawing(s) (*35 U.S.C. 113*)     [*Total Sheets:* **15** ]

5. Oath or Declaration     [*Total Sheets:* **4** ]
   a. ☒ Newly executed (original or copy)
   b. ☐ Copy from a prior application (37 CFR 1.63 (d))
      *(for continuation/divisional with Box 18 completed)*
      i. ☐ **DELETION OF INVENTOR(S)**
         Signed statement attached deleting inventor(s)
         Named in the prior application, see 37 CFR
         1.63(d)(2) and 1.33(b)

6. ☐ Application Data Sheet. See 37 CFR 1.76

7. ☐ CD-ROM or CD-R in duplicate, large table or
   Computer Program (*Appendix*)

8. Nucleotide and/or Amino Acid Sequence Submission
   *fif applicable, all necessary)*
   a. ☐ Computer Readable Form (CRF)
   b. Specification Sequence Listing on:
      i. ☐ CD-ROM or CD-R (2 copies); or
      ii. ☐ paper
   c. ☐ Statements verifying identity of above copies

### ACCOMPANYING APPLICATION PARTS

9. ☐ Assignment Papers (cover sheet & documents(s))
10. ☐ 37 CFR 3.73(b) Statement  ☒ Power of Attorney
    *(when there is an assignee)*
11. ☐ English Translation Document (*if applicable*)
12. ☒ Information Disclosure  ☒ Copies of IDS Citations
    Statement (IDS)/PTO-1449
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)
    *(Should be specifically itemized)*
15. ☐ Certified Copy of Priority Document(s)
    *(if foreign priority is claimed)*
16. ☐ Nonpublication Request under 35 U.S.C. 122
    (b)(2)(B)(i). Applicant must attach form PTO/SB/35
    or its equivalent.
17. ☒ Other: **Figs. 1-17, Credit Card Payment Form**

18. If a CONTINUING APPLICATION, *check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:*

☐ Continuation   ☐ Divisional   ☐ Continuation-in-part (CIP)   of prior application No.:

*Prior application information:*   Examiner: _____   Art Unit: _____

**For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.**

### 19. CORRESPONDENCE ADDRESS

☒ Customer Number   **020457**       OR ☐ Correspondence address below

| | |
|---|---|
| *Name* | ANTONELLI, TERRY, STOUT & KRAUS, LLP |
| *Address* | |

| *City* | | *State* | | *Zip Code* | |
|---|---|---|---|---|---|
| *Country* | | *Telephone* | **(703) 312-6600** | *Fax* | **(703) 312-6666** |
| *Name (Print/Type)* | Melvin Kraus | *Registration No. (Attorney/Agent)* | | 22,466 | |
| *Signature* | | *Date* | | February 20, 2004 | |

PTO/SB/17 (10-03)
Approved for use through 07/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# FEE TRANSMITTAL
# for FY 2004

*Effective 10/01/2003. Patent fees are subject to annual revision.*

☐ Applicant claims small entity status. See 37 CFR 1.27

| TOTAL AMOUNT OF PAYMENT | ($) 770.00 |
|---|---|

**Complete if Known**

| | |
|---|---|
| Application Number | |
| Filing Date | February 20, 2004 |
| First Named Inventor | IWAJI, YOSHITAKA |
| Examiner Name | |
| Art Unit | |
| Attorney Docket No. | 500.43498X00 |

## METHOD OF PAYMENT (check all that apply)

☐ Check  ☒ Credit Card  ☐ Money Order  ☐ Other  ☐ None

☒ Deposit Account:

Deposit Account Number: 01-2135

Deposit Account Name: Antonelli, Terry, Stout & Kraus, LLP

The Director is authorized to: (*check all that apply*)
☐ Charge fee(s) indicated below  ☒ Credit any overpayments

☒ Charge any additional fee(s) during the pendency of this application.

☐ Charge fee(s) indicated below, **except for the filing fee** to the above-identified deposit account.

## FEE CALCULATION

### 1. BASIC FILING FEE

| Large Entity Fee Code | Fee ($) | Small Entity Fee Code | Fee ($) | Fee Description | Fee Paid |
|---|---|---|---|---|---|
| 1001 | 770 | 2001 | 385 | Utility filing fee | 770 |
| 1002 | 340 | 2002 | 170 | Design filing fee | |
| 1003 | 530 | 2003 | 265 | Plant filing fee | |
| 1004 | 770 | 2004 | 385 | Reissue filing fee | |
| 1005 | 160 | 2005 | 80 | Provisional filing fee | |

| SUBTOTAL (1) | 770 |
|---|---|

### 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

| | Extra Claims | Fee from below | | Fee Paid |
|---|---|---|---|---|
| Total Claims 11 | -20** = 0 | x 18 | = | 0 |
| Indep. Claims 3 | -3** = 0 | x 86 | = | 0 |
| Multiple Dependent | | 290 | = | 0 |

| Large Entity Fee Code | Fee ($) | Small Entity Fee Code | Fee ($) | Fee Description |
|---|---|---|---|---|
| 1202 | 18 | 2202 | 9 | Claims in excess of 20 |
| 1201 | 86 | 2201 | 43 | Independent claims in excess of 3 |
| 1203 | 290 | 2203 | 145 | Multiple dependent claim, if not paid |
| 1204 | 86 | 2204 | 43 | ** Reissue independent claims over original patent |
| 1205 | 18 | 2205 | 9 | ** Reissue claims in excess of 20 and over original patent |

| SUBTOTAL (2) $ | 0.00 |
|---|---|

**or number previously paid, if greater; For Reissues, see above.

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

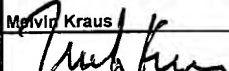| Large Entity Fee Code | Fee ($) | Small Entity Fee Code | Fee ($) | Fee Description | Fee Paid |
|---|---|---|---|---|---|
| 1051 | 130 | 2051 | 65 | Surcharge – late filing fee or oath | |
| 1052 | 50 | 2052 | 25 | Surcharge – late provisional filing fee or cover sheet | |
| 1053 | 130 | 1053 | 130 | Non-English specification | |
| 1812 | 2,520 | 1812 | 2,520 | For filing a request for *ex parte* reexamination | |
| 1804 | 920* | 1804 | 920* | Requesting publication of SIR prior to Examination action | |
| 1805 | 1,840* | 1805 | 1,840* | Requesting publication of SIR after Examiner action | |
| 1251 | 110 | 2251 | 55 | Extension for reply within first month | |
| 1252 | 420 | 2252 | 210 | Extension for reply within second month | |
| 1253 | 950 | 2253 | 475 | Extension for reply within third month | |
| 1254 | 1,480 | 2254 | 740 | Extension for reply within fourth month | |
| 1255 | 2,010 | 2255 | 1,005 | Extension for reply within fifth month | |
| 1401 | 330 | 2401 | 165 | Notice of Appeal | |
| 1402 | 330 | 2402 | 165 | Filing a brief in support of an appeal | |
| 1403 | 290 | 2403 | 145 | Request for oral hearing | |
| 1451 | 1,510 | 1451 | 1,510 | Petition to institute a public use proceeding | |
| 1452 | 110 | 2452 | 55 | Petition to revive – unavoidable | |
| 1453 | 1,330 | 2453 | 665 | Petition to revive – unintentional | |
| 1501 | 1,330 | 2501 | 665 | Utility issue fee (or reissue) | |
| 1502 | 480 | 2502 | 240 | Design issue fee | |
| 1503 | 640 | 2503 | 320 | Plant issue fee | |
| 1406 | 130 | 1460 | 130 | Petitions to the Commissioner | |
| 1807 | 50 | 1807 | 50 | Processing fee under 37 CFR 1.17(q) | |
| 1806 | 180 | 1806 | 180 | Submission of Information Disclosure Stmt | |
| 8021 | 40 | 8021 | 40 | Recording each patent assignment per property (times number of properties) | |
| 1809 | 770 | 2809 | 385 | Filing a submission after final rejection (37 CFR § 1.129(a)) | |
| 1810 | 770 | 2810 | 385 | For each additional invention to be examined (37 CFR § 1.129(b)) | |
| 1801 | 770 | 2801 | 385 | Request for Continued Examination (RCE) | |
| 1802 | 900 | 1802 | 900 | Request for expedited examination of a design application | |

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid

| SUBTOTAL (3) ($) | 0.00 |
|---|---|

## SUBMITTED BY

| Name (Print/Type) | Melvin Kraus | Registration No. (Attorney/Agent) | 22,466 | Telephone | 703-312-6600 |
|---|---|---|---|---|---|
| Signature | | | | Date | 02/20/2004 |

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*